

SYSTEM AND METHOD FOR CONTROLLING AN AUTOMATIC TRANSMISSION IN A VEHICLE

Abstract

A method for controlling an automatic transmission in a vehicle is provided. The method selectively provides automatic engine braking for the vehicle. When it is determined that automatic engine braking is desired, the upshift schedule is increased, such that a higher vehicle speed is required to upshift for any given accelerator pedal position. The transmission is automatically downshifted to a lower gear to provide engine braking for the vehicle, when a vehicle acceleration threshold is exceeded. The automatic downshifting of the transmission can occur when the brake pedal is engaged, and when the brake pedal is disengaged.